PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference		of Transmittal of International Search Report (20) as well as, where applicable, item 5 below.
71469/141556	ACTION (FORTH PC 1715A/2	zo) as wen as, where applicable, item 5 below.
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)
PCT/US 02/23207	19/07/2002	30/07/2001
Applicant		
TOKYO ELECTRON LIMITED		
This International Search Report has bee according to Article 18. A copy is being transfer.	n prepared by this International Searching Autl ansmitted to the International Bureau.	nority and is transmitted to the applicant
This International Search Report consists It is also accompanied by		roport
it is also accompanied by	a copy of each prior art document cited in this	тероп.
Basis of the report		
	international search was carried out on the bar less otherwise indicated under this item.	sis of the international application in the
the international search w Authority (Rule 23.1(b)).	vas carried out on the basis of a translation of t	he international application furnished to this
b. With regard to any nucleotide ar		nternational application, the international search
was carried out on the basis of the contained in the internation	e sequence listing : onal application in written form.	
filed together with the inte	ernational application in computer readable form	n.
furnished subsequently to	this Authority in written form.	
furnished subsequently to	this Authority in computer readble form.	
	osequently furnished written sequence listing d as filed has been furnished.	loes not go beyond the disclosure in the
the statement that the infe furnished	ormation recorded in computer readable form i	s identical to the written sequence listing has been
2. Certain claims were fou	nd unsearchable (See Box I).	
3. Unity of invention is lac	king (see Box II).	
A Marks and an Alba areas		
4. With regard to the title , X the text is approved as su	shmitted by the applicant	
. — …	shed by this Authority to read as follows:	
Line text time been compared	nice by the realismy to read as tenents.	
5 1454		
5. With regard to the abstract, the text is approved as su	hmitted by the applicant	
the text has been establis	,	ity as it appears in Box III. The applicant may, port, submit comments to this Authority.
6. The figure of the drawings to be pub		1
as suggested by the appl		None of the figures.
because the applicant fai		_
because this figure better	characterizes the invention.	

INTERNATIONAL SEARCH REPORT

International Application No PCT/US 02/23207

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G05D23/00 H05H1/00

H01L21/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 GO5D HO5H HO1L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Х	EP 0 838 841 A (APPLIED MATERIALS INC) 29 April 1998 (1998-04-29)	27,29
Υ	column 16, line 3 -column 17, line 23	1-15,17, 18,23-25
	column 22, line 36 -column 24, line 53 column 26, line 39 -column 28, line 56 column 30, line 20 -column 30, line 23; figures 10-13,17,18,24	
X	WO 99 25494 A (TOKYO ELECTRON LTD ; JOHNSON WAYNE L (US)) 27 May 1999 (1999-05-27)	30,31
Y	page 11, line 4 -page 11, line 8 page 12, line 9 -page 13, line 13; figures 1E,2,3A	1-15,17, 18
	 -/	

Further documents are listed in the continuation of box C.	χ Patent family members are listed in annex.
 Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed 	 "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family
Date of the actual completion of the international search	Date of mailing of the international search report
27 September 2002	15/10/2002
Name and mailing address of the ISA	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Henrikson, O

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INTERNATIONAL SEARCH REPORT

International Application No PCT/US 02/23207

	tion) DOCUMENTS CONSIDERED TO BE RELEVANT	Delegat to state Ma
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
1	US 6 113 732 A (YOSHIDA KOHEI ET AL) 5 September 2000 (2000-09-05) abstract; figures 1,2 column 7, line 38 -column 7, line 67	1-15,17, 18,23-25
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Information on patent family members

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WO 9925494	A	27-05-1999	CN EP JP WO US	1278750 1030745 2001523887 9925494 6425953	A1 T A1	03-01-2001 30-08-2000 27-11-2001 27-05-1999 30-07-2002
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